

Abstract of the Disclosure

A refrigerator is to be provided in which; a two-stage-compression mode power-variable refrigerant circuit having a freezer cooler and fresh-food cooler is controlled 5 in accordance with information on temperature in the fresh-food compartment; and thus each of the freezer and fresh-food compartment is properly controlled at a temperature for storing. The refrigerant circuit is comprised of: an inverter-driven power-variable compressor (9) having a low-pressure 10 compression element (9a) and a high-pressure compression element (9b); a switching valve (11) that is disposed on downstream of a condenser (10) receiving gas refrigerant discharged from the compressor and selects and controls channel and flow rate of the refrigerant; and a freezer cooler (4) and 15 a fresh-food cooler (5), each of which is connected with the switching valve (11) through a pressure reducer. Frequency of the compressor (9) is decided by temperature "Fa" in the freezer compartment and its target temperature "Fr".